BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

Name of work: Estimate for Construction of RCC Drains in S C Colony Saraipalya Cross Road in Ward no . 06 Byatarayanapura Sub Division

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
							Estimate Cost Rs.	3000000.00	
1	KSRRB 300-1. Earth work excavation by manual means in Ordinary Soil soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications complete as per specifications.MORTH chapter 3. No. 141/ Item No. 19.1/ PWD SR 2016-17	Cum							
	For RCC Drain								
	Saraipalaya Main Road		1	272.00	0.90	0.90	220.32		
	Cross Roads		1	80.00	0.90	0.90	64.80		
	Culverts		1	6.20	2.10	1.20	15.62		
							300.74	86.92	**26141.00**
	Basic Rate	82.00							
	Area Weightage @ 6%	4.92							
	Total	**86.92**							
2	KSRB-4-1.3 : Providing and laying in position plain cement concrete of mix M 1:4:8 withOPC cement at 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @0.57cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2, No. 12/ Item No. 4.3/ PWD SR 2016-17	**Cum**							
	For RCC Drain								
	Saraipalaya Main Road		1	272.00	0.90	0.15	37.63		
	Cross Roads		1	80.00	0.90	0.15	11.16		
	For Culverts		1	6.20	2.10	0.15	2.01		
							50.80	5159.02	**262060.00**
	Basic Rate	4867.00							
	Area Weightage @ 6%	292.02							
	Total	**5159.02**							
3	KSRB 5.2.3 Providing and constructing granite / trap / basalt Size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5.1.13 Page No. 23/ Item No. 5.6/ PWD SR 2016-17	cum							
	Culverts		1X2	6.20	0.60	0.50	3.72		
							3.72	4438.22	**16510.00**
	Basic Rate	4187.00							
	Area Weightage @ 6%	251.22							
	Total	**4438.22**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
4	KSRB 5.3-3 Providing and constructing granite / trap / basalt size stone masonry in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at two m. apart in each course including cost of materials, labour, curing complete as per specifications.KBS 5-1.13 Page No. 23/ Item No. 5.9/ PWD SR 2016-17	Sqm							
	Culverts		1X2	6.20	0.50	0.45	2.79		
							2.79	**5305.30**	**14802.00**
	Basic Rate	5005.00							
	Area Weightage @ 6%	300.30							
	Total	**5305.30**							
5	KSRB 4-6.7 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for sides and soffits of beams, beam haunchings, cantilever girders, bressumers and lintels not exceeding 1 m in depth including cost of all materials, labour complete as per specifications. Specification NO KBS 4.6.2 Page No. 16/ Item No. 4.34/ PWD SR 2016-17	Sqm							
	For RCC Drains								
	Saraipalaya Main Road		1X4	272.00	0.60		652.80		
	Cross Roads		1X4	80.00	0.60		192.00		
	For Culverts		1	6.20	0.60		3.72		
	For Sides		1X2	6.20	0.23		2.85		
			1X2	1.65	0.23		0.76		
							852.13	**271.36**	**231234.00**
	Basic Rate	**256.00**							
	Area Weightage @ 6%	15.36							
	Total	**271.36**							
6	KSRB 4-1.7 : : Providing and laying in position plain cement concrete of mix 1:3:6 withOPC cement @ 220kgs, with 20mm and down size graded granite metal coarse aggregates @0.84cum and fine aggregates @0.56cum machine mixed, concrete laid in layers not, exceeding 15cms, thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1,4.2/P No. 13/ Item No. 4.7/ PWD SR 2016-17	cum							
	For RCC Drain Vent		1	272.00	0.60	0.15	24.48		
			1	80.00	0.60	0.15	7.20		
	Culverts		1X2	6.20	0.50	0.15	0.93		
	Vent Bed		1	6.20	0.60	0.15	0.56		
							33.17	5598.92	**185705.00**
	Basic Rate	5282.00							
	Area Weightage @ 6%	316.92							
	Total	**5598.92**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
7	KSRB 15.1.3: Providing FLush pointing to coursed stone masonry with cement mortar 1:3, 20 mm deep, after raking joints to depth of 20mm nicely lining, including cost of materials, labour, curing complete as per specifications. Page No. 109/ Item No. 15.1/ PWD SR 2016-17	Sqm							
	Culverts		1X2	6.20		0.50	6.20		
							6.20	102.82	**637.00**
	Basic Rate	97.00							
	Area Weightage @ 6%	5.82							
	Total	**102.82**							
8	KSRB 4.2.2 : Providing and laying in position plain cement concrete of mix M20 withOPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.878cum and fine aggregates @0.459cum with superplastesisre @ 3lts conforming to IS9103-1999Reffirmed machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth and ground floor level for roof slabs, staircase, lintels, retaining walls, return walls, walls(any thickness) including attached plasters, columns, piers, abutments, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fillets etc, including cost of all materials, labour HOM of machinery, curing, complete as per specifications. Specification. No. KBS 4.1,4.6, No. KBS 4.1,4.6, No. 13/ Item No. 4.11/ PWD SR 2016-17	**Cum**							
	For RCC Drains								
	Bottom Concrete		1	272.00	0.90	0.15	36.72		
			1	80.00	0.90	0.15	10.80		
	Side Walls		1X2	272.00	0.15	0.60	48.96		
			1X2	80.00	0.15	0.60	14.40		
	For Cuvlerts		1	6.20	1.80	0.23	2.57		
							113.45	6371.66	**722844.00**
	Basic Rate	6011.00							
	Area Weightage @ 6%	360.66							
	Total	**6371.66**							
9	KSRB 4.9.2:providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost pf materials, labour, HOM of machinery complete as per specifications.Specification No. KBS 4.6.3 Page No. 17/ Item No. 4.46.2/ PWD SR	**Qtl**							
	0.90Ton/Cum		0.085	113.45			**9.64**	64243.42	**619498.00**
	Basic Rate	60607.00							
	Area Weightage @ 6%	3636.42							
	Total	**64243.42**							

Sl No	Description of item	Unit	No	L	B	D	Qty	Rate	Amount
10	Precast slab 20mm and down size for slab (including steel reinforcement) including centring and shutterng machine mixed concrete laid in layers not exceeding 15cms thick well compacted cost of all materials labour HOM of machineries curing complete as per specifications c.c 1:1.5:3 Including all cost of Matirial (DATA RATE ENCLOSED) 10cm thick RCC pre cast slab	Sqm							
	Saraipalya Colony Cross Roads		1	272.00	0.90		244.80		
	Cross Roads		1	82.00	0.90		73.80		
							318.60	1856.67	**591535.00**
	Data Rate	**1856.67**							
11	KSRRB M100-2. Loading and Unloading of stone boulders by manual means complete as per specification MORTH-100/chapter-1 Page No. 134/ Item No. 17.2/ PWD SR 2016-	Cum							
			Qty. Vide Item No. 1+2				**300.74**		
							300.74	93.28	**28053.00**
	Basic Rate	88.00							
	Area Weightage @ 6%	5.28							
	Total	**93.28**							
12	For 10% KRIDL Charges						Grand Total		**2699153.00**
13	For 1% Labour Cess								**269915.00**
14	Miscesallaneous Charges	L/S							**26992.00**
									3940.00
									3000000.00

Certificate:

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per PWD SR of 2016-17
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward No. 06(Thanisandra)

Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Division
11/12

Assistant Executive Engineer
Bruhat Bangalore Mahanagara Palike
Byatarayanapura Sub Division
11/12

ADMINISTRATIVE APPROVAL

Accorded For Rs. Thirty lakhs only

Head of A/c. P-1878

Div. Ref. No. 59/17-18 Date. 11/12/17

AE 11/12

EE(BTP) 11/12

Technical Sanction

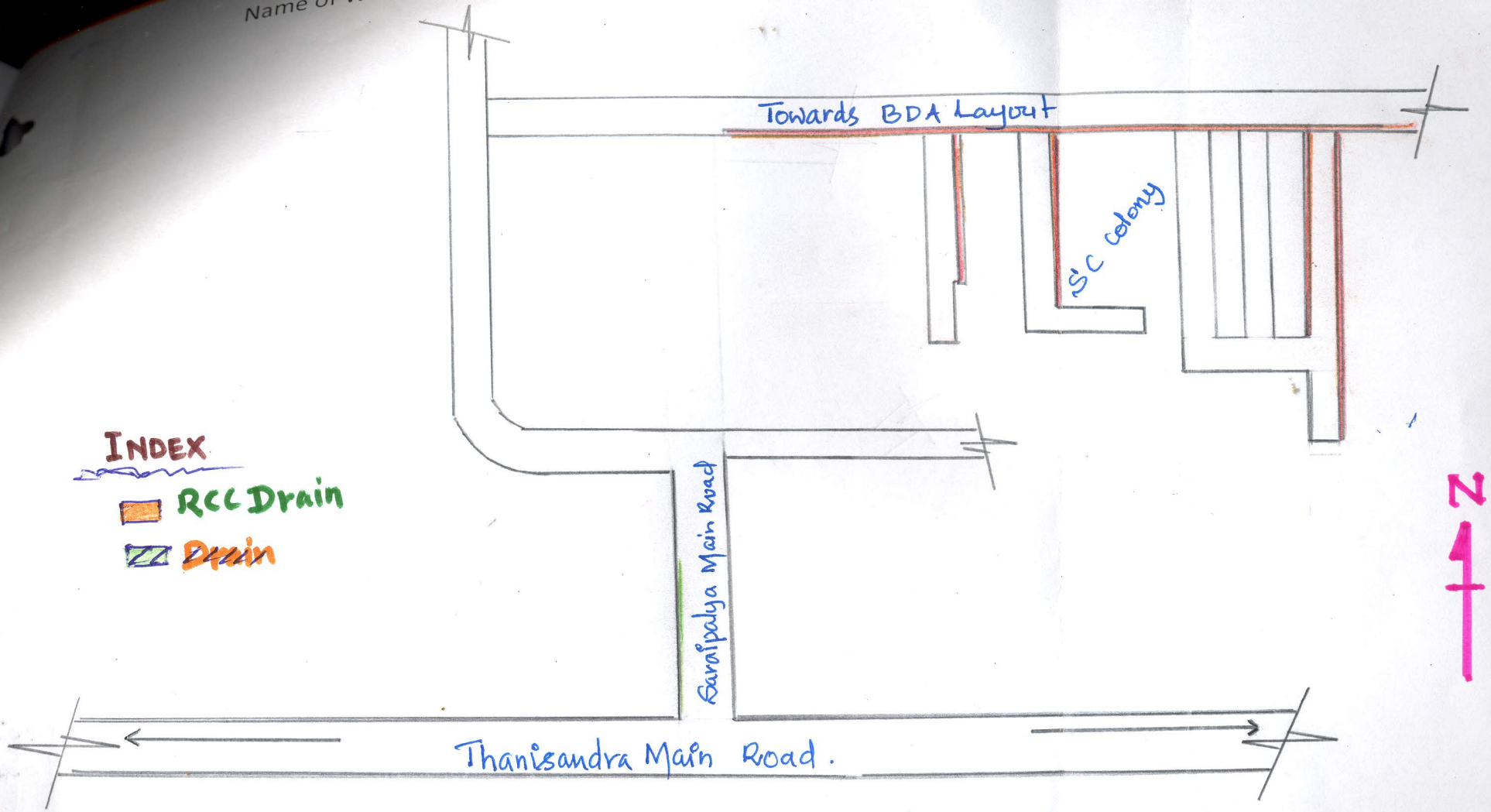
Accorded For 30.00 lakh Rs.

Head of A/C. P1878

CER NO : 415 Dt:. 11/12/17

TA CE (YNK)

Name of Work: Construction of RCC Drains in SC Colony Saraipalya Main Road in Ward no . 06



INDEX

RCC Drain

Drain

ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24